

ENTERED  
see page 6



OIPE

## RAW SEQUENCE LISTING

DATE: 09/05/2002

PATENT APPLICATION: US/10/074,566

TIME: 10:12:10

Input Set : A:\Cura556.app

Output Set: N:\CRF3\09052002\J074566.raw

3 <110> APPLICANT: Shimkets, Richard A.  
 4 Fernandes, Elma R.  
 5 Li, Li  
 6 Gorman, Linda  
 7 Gusev, Vladimir Y.  
 8 Padigaru, Muralidhara  
 9 Patturajan, Meera  
 10 Shenoy, Suresh G.  
 11 Spytek, Kimberly A.  
 13 <120> TITLE OF INVENTION: Polypeptides and Polynucleotides Encoding Same  
 15 <130> FILE REFERENCE: 15966-556 CIP1  
 17 <140> CURRENT APPLICATION NUMBER: 10/074,566  
 18 <141> CURRENT FILING DATE: 2002-02-13  
 20 <150> PRIOR APPLICATION NUMBER: 09/619,252  
 21 <151> PRIOR FILING DATE: 2000-07-19  
 23 <150> PRIOR APPLICATION NUMBER: 60/144,722  
 24 <151> PRIOR FILING DATE: 1999-07-20  
 26 <150> PRIOR APPLICATION NUMBER: 60/167,785  
 27 <151> PRIOR FILING DATE: 1999-11-29  
 29 <150> PRIOR APPLICATION NUMBER: 60/276,994  
 30 <151> PRIOR FILING DATE: 2001-03-19  
 32 <150> PRIOR APPLICATION NUMBER: 60/280,898  
 33 <151> PRIOR FILING DATE: 2001-04-02  
 35 <150> PRIOR APPLICATION NUMBER: 60/332,241  
 36 <151> PRIOR FILING DATE: 2001-11-14  
 38 <150> PRIOR APPLICATION NUMBER: 60/288,062  
 39 <151> PRIOR FILING DATE: 2001-05-02  
 41 <150> PRIOR APPLICATION NUMBER: 60/291,766  
 42 <151> PRIOR FILING DATE: 2001-05-17  
 44 <150> PRIOR APPLICATION NUMBER: 60/314,007  
 45 <151> PRIOR FILING DATE: 2001-08-21  
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 52 <211> LENGTH: 6373  
 53 <212> TYPE: DNA  
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184 35 40 45
186 His Lys Glu Leu Tyr Asp Trp Arg Leu Gly Pro Trp Asn Gln Cys Gln
187 50 55 60
189 Pro Val Ile Ser Lys Ser Leu Glu Lys Pro Leu Glu Cys Ile Lys Gly
190 65 70 75 80
192 Glu Glu Gly Ile Gln Val Arg Glu Ile Ala Cys Ile Gln Lys Asp Lys
193 85 90 95
195 Asp Ile Pro Ala Glu Asp Ile Ile Cys Glu Tyr Phe Glu Pro Lys Pro
196 100 105 110
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199 115 120 125
201 Ser Glu Phe Ser Ala Trp Ser Glu Cys Ser Lys Thr Cys Gly Ser Gly
202 130 135 140
204 Leu Gln His Arg Thr Arg His Val Val Ala Pro Pro Gln Phe Gly Gly
205 145 150 155 160
207 Ser Gly Cys Pro Asn Leu Thr Glu Phe Gln Val Cys Gln Ser Ser Pro
208 165 170 175
210 Cys Glu Ala Glu Glu Leu Arg Tyr Ser Leu His Val Gly Pro Trp Ser
211 180 185 190
213 Thr Cys Ser Met Pro His Ser Arg Gln Val Arg Gln Ala Arg Arg Arg
214 195 200 205
216 Gly Lys Asn Lys Glu Arg Glu Lys Asp Arg Ser Lys Gly Val Lys Asp
217 210 215 220
219 Pro Glu Ala Arg Glu Leu Ile Lys Lys Lys Arg Asn Arg Asn Arg Gln
220 225 230 235 240
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229 275 280 285

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238      325      330      335
240 Phe Glu Glu Lys Glu Pro Cys Leu Ser Gln Gly Asp Gly Val Val Pro
241      340      345      350
243 Cys Ala Thr Tyr Gly Trp Arg Thr Thr Glu Trp Thr Glu Cys Arg Val
244      355      360      365
246 Asp Pro Leu Leu Ser Gln Gln Asp Lys Arg Arg Gly Asn Gln Thr Ala
247      370      375      380
249 Leu Cys Gly Gly Gly Ile Gln Thr Arg Glu Val Tyr Cys Val Gln Ala
250 385      390      395      400
252 Asn Glu Asn Leu Leu Ser Gln Leu Ser Thr His Lys Asn Lys Glu Ala
253      405      410      415
255 Ser Lys Pro Met Asp Leu Lys Leu Cys Thr Gly Pro Ile Pro Asn Thr
256      420      425      430
258 Thr Gln Leu Cys His Ile Pro Cys Pro Thr Glu Cys Glu Val Ser Pro
259      435      440      445
261 Trp Ser Ala Trp Gly Pro Cys Thr Tyr Glu Asn Cys Asn Asp Gln Gln
262      450      455      460
264 Gly Lys Lys Gly Phe Lys Leu Arg Lys Arg Arg Ile Thr Asn Glu Pro
265 465      470      475      480
267 Thr Gly Gly Ser Gly Val Thr Gly Asn Cys Pro His Leu Leu Glu Ala
268      485      490      495
270 Ile Pro Cys Glu Glu Pro Ala Cys Tyr Asp Trp Lys Ala Val Arg Leu
271      500      505      510
273 Gly Asp Cys Glu Pro Asp Asn Gly Lys Glu Cys Gly Pro Gly Thr Gln
274      515      520      525
276 Val Gln Glu Val Val Cys Ile Asn Ser Asp Gly Glu Glu Val Asp Arg
277      530      535      540
279 Gln Leu Cys Arg Asp Ala Ile Phe Pro Ile Pro Val Ala Cys Asp Ala
280 545      550      555      560
282 Pro Cys Pro Lys Asp Cys Val Leu Ser Thr Trp Ser Thr Trp Ser Ser
283      565      570      575
285 Cys Ser His Thr Cys Ser Gly Lys Thr Thr Glu Gly Lys Gln Ile Arg
286      580      585      590
288 Ala Arg Ser Ile Leu Ala Tyr Ala Gly Glu Glu Gly Gly Ile Arg Cys
289      595      600      605
291 Pro Asn Ser Ser Ala Leu Gln Glu Val Arg Ser Cys Asn Glu His Pro
292      610      615      620
294 Cys Thr Val Tyr His Trp Gln Thr Gly Pro Trp Gly Gln Cys Ile Glu
295 625      630      635      640
297 Asp Thr Ser Val Ser Ser Phe Asn Thr Thr Thr Thr Trp Asn Gly Glu
298      645      650      655
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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/074,566

DATE: 09/05/2002  
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Input Set : A:\Cura556.app  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 6349

Seq#:58; N Pos. 6349

Seq#:126; Xaa Pos. 1,2,3,4,6,7,8,9,10,11,12,13,14,15,16,17,19,20,21,22,23

Seq#:126; Xaa Pos. 24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42

Seq#:126; Xaa Pos. 43,44,45,46,47,48,49,50,51,53,54,55,56,57,59,60,61,62,63

Seq#:126; Xaa Pos. 64,65,66,67,68,69

## VERIFICATION SUMMARY

DATE: 09/05/2002

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Input Set : A:\Cura556.app

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L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:6300  
L:3187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:6300  
L:5532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126 after pos.:0  
L:5535 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126 after pos.:16  
L:5538 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126 after pos.:32  
L:5541 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126 after pos.:48  
L:5544 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126 after pos.:64